Azalea®

Azalea® Assist, Azalea® Base, Azalea® Max, Azalea® Minor, Azalea® Tall

en **Manual wheelchair passive**
Service Manual

CE

DEALER: Keep this manual.
The procedures in this manual MUST be performed by a qualified technician.

rea®

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1 General

1.1 Introduction

This service manual contains information about technical adjustments, technical data, descriptions of how accessories are personally fitted and slightly more advanced settings.

This must be read thoroughly by the responsible technician or assisting person when adapting the wheelchair.

WARNING!
Risk of injury
If the setup of the wheelchair is improper, it may not function properly.
– Changes to the wheelchair should only be carried out by trained personnel.

For pre-sale and user information, please see the user manual. The user manual can be found on Invacare's website.

1.2 Delivery check

Any transport damage must be reported immediately to the transport company. Remember to keep the packaging until the transport company has checked the goods and a settlement has been reached.

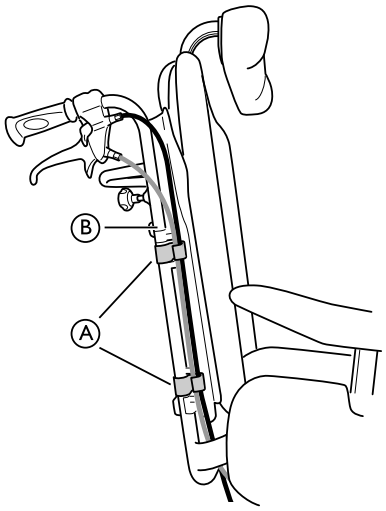
1.3 Customer service

For contact details please refer to the last page of this publication where you will find the address to your local European sales company.

2 Assembly

2.1 Placing the wires

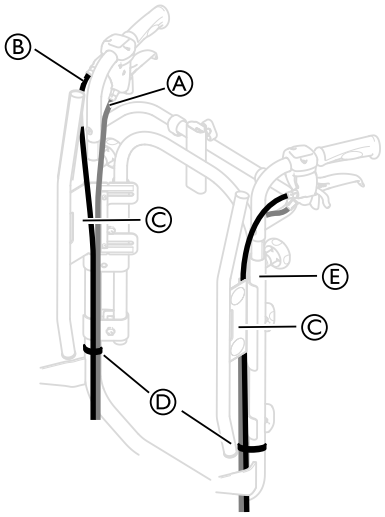
2.1.1 Wires with backrest plate



1. Thread the wires on the outside of the backrest tubes Ⓑ.
2. Place the wires in the holders/clips Ⓐ in order to hold them in place.

   Fold the slack of the wires under the seat to get them out of the way.

2.1.2 Wires with tension adjustable backrest

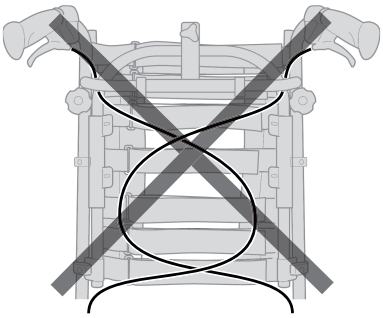


1. Place the wires Ⓐ and Ⓑ as shown on the picture above.

   Risk of damage to the wires
   – It is important that the cable for the assistant brake Ⓐ is placed on the inside of the backrest tubes.

2. Place the wire for the backrest/seat recline Ⓑ outside of the backrest tubes.
3. Place both of the wires on the inside of the backrest attachment Ⓒ.
4. Attach the wires to the backrest tubes Ⓔ with the straps Ⓓ.

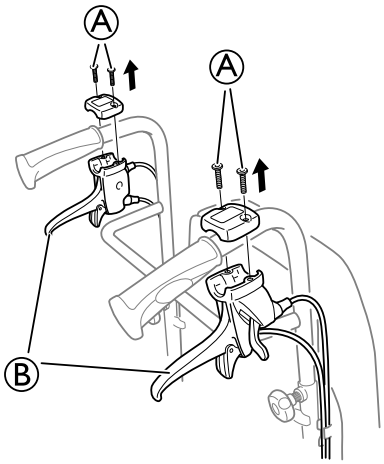
   Fold the slack of the wires under the seat to get them out of the way.



CAUTION!
Risk of reduced brake effect
– The wires must not be crossed on the backrest!

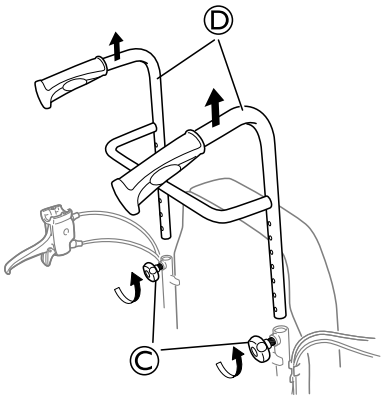
2.2 Mounting the angle adjustable push bar

1.



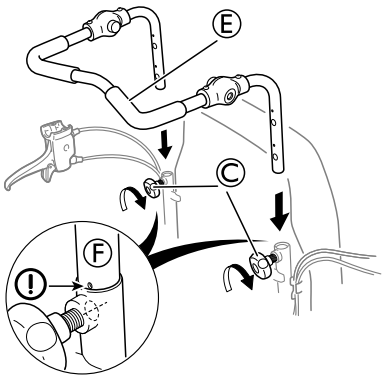
Loosen and remove the screws Ⓐ and the brake handles Ⓑ.

2.



Loosen the handwheels Ⓒ and remove the push handles Ⓓ.

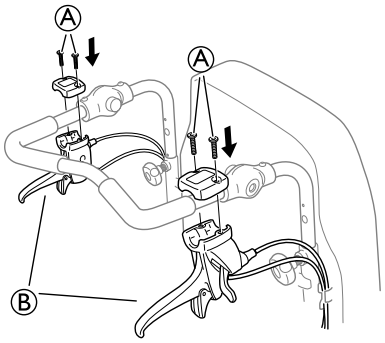
3.



Mount the push bar Ⓔ in the backrest tubes and tighten the handwheels Ⓒ.

WARNING!
Risk of injury
The push bar can loosen from the attachments
– Make sure that the marking Ⓕ on the tubes are fitted against the backrest tube.
– Check that the handwheels can be tightened properly, the screw of the handwheel should barely be visible. If the push bar is in the wrong position, the handwheel will not be possible to tighten properly.

4.

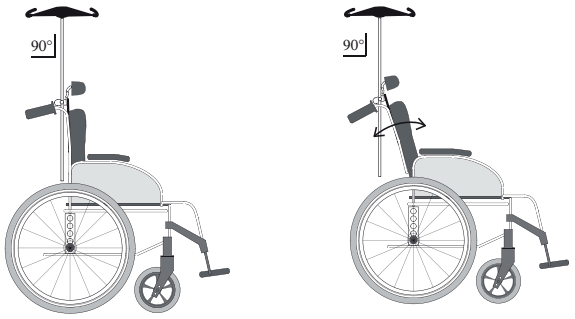


Re-mount the brake handles Ⓑ and tighten the screws Ⓐ.

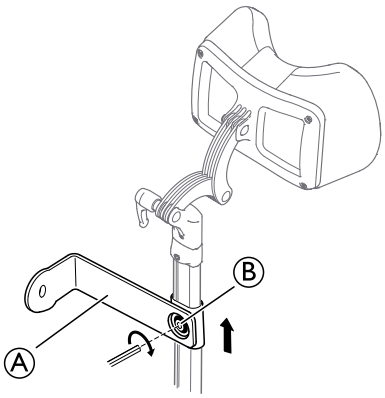
Torx driver T20

2.3 Mounting the Drip stand

The rod of the drip stand must always be placed in a vertical position, i.e in a 90 degree angle to the ground, no matter the position of the backrest or the wheelchair.



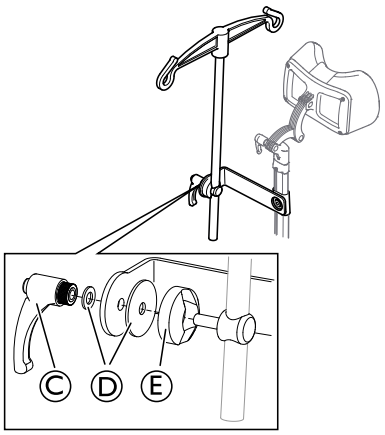
1.



Mount the holder for the drip stand Ⓐ on the neckrest holder and tighten the screw Ⓑ.

allen key 5 mm

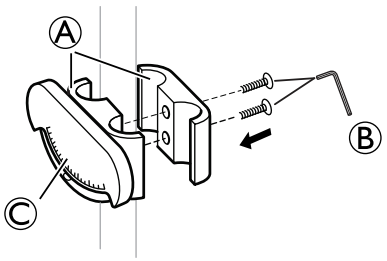
2.



Mount the lever Ⓒ, the washers Ⓓ and the holder with the drip stand Ⓔ in the attachment and tighten the lever.

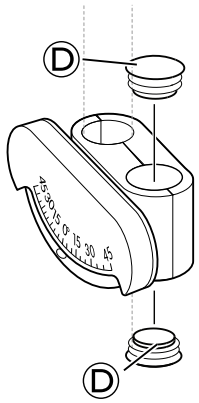
2.4 Tilt scale backrest

1.



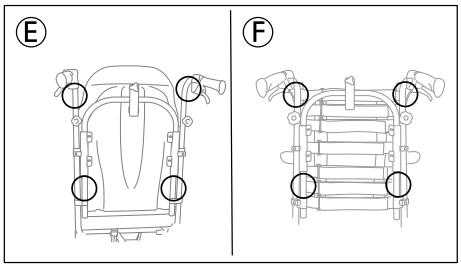
Attach the clamps Ⓐ with the tilt scale Ⓒ to the push bar/push handles or the backrest tubes and tighten the screws Ⓑ.

2.



Place the end plugs Ⓓ in the empty holes.

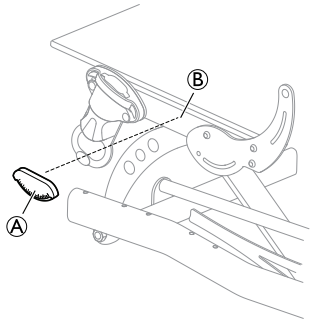
3.



Place the tilt scale for the backrest angle on the push bar/push handle or on the backrest tubes according to picture Ⓔ or Ⓕ above.

2.5 Tilt scale seat

1.

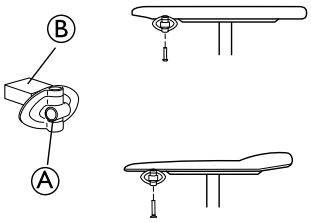


Place the tilt scale for the seat Ⓐ on the seat frame Ⓑ.

The tilt scale should be placed on the left side.

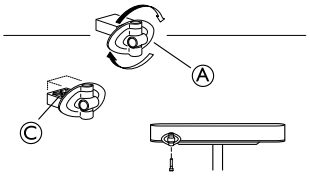
2.6 Mounting the attachment for table tray

1.



Mount the table attachment Ⓐ with the attachment part facing outwards. The plain surface Ⓑ of the attachment should be placed upwards when using the table on the thin armrests.

2.

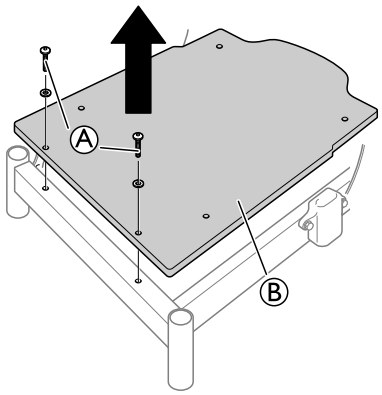


To fit the table attachment Ⓐ to the wide armrest, turn the attachment around, the patterned surface Ⓒ should now be facing upwards.

2.7 Mounting the sliding seat

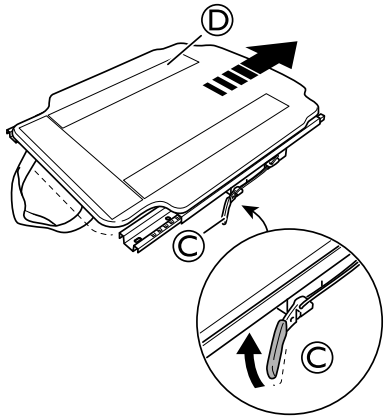
WARNING!
Risk of injury
– Be aware of the pinching risk when moving the sliding seat back- and forwards.

1.



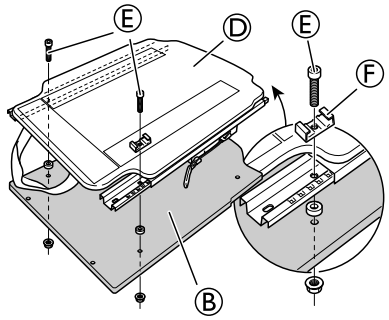
Loosen and remove the screws Ⓐ and the seat plate Ⓑ.

2.



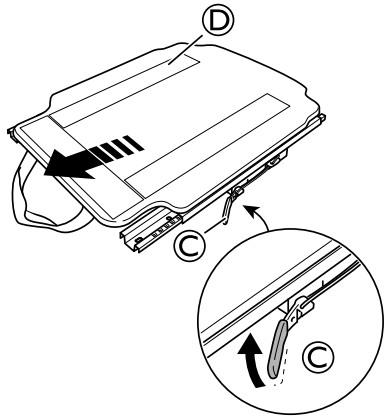
Press the release handle Ⓒ and push the sliding seat Ⓓ backwards.

3.



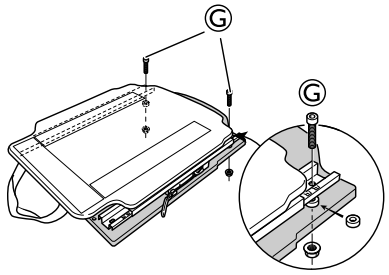
a. Mount the sliding seat Ⓓ on the seat plate Ⓑ.
b. Attach the stop block Ⓕ.
c. Attach the front screws and nuts Ⓔ.
d. Tighten the screws and nuts Ⓔ.

4.



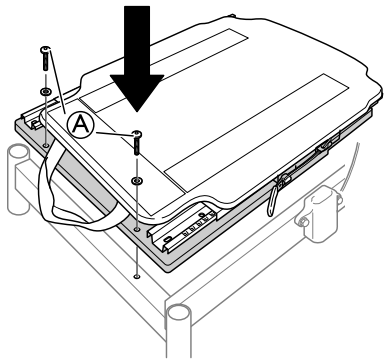
Press the release handle Ⓒ and push the sliding seat Ⓓ forwards.

5.



Attach and tighten the rear screws and nuts Ⓖ.

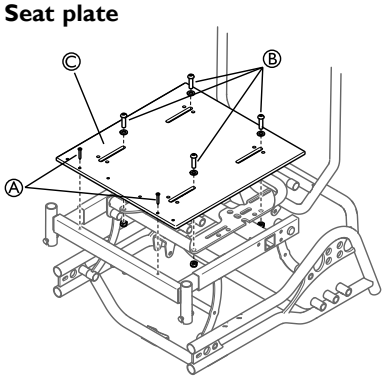
6.



a. Re-mount the seat plate and the sliding seat on the seat frame.
b. Re-mount and tighten the screws and nuts for the seat plate Ⓐ.

2.8 Azalea Base seat attachment

Seat plate



The seat plate can either be used as a base for a seat cushion or for attaching seat shells and other seating modules.

- The seat plate Ⓒ can either be used as a base for a seat cushion or for attaching seat shells and other seating modules.
- When delivered, the seat base is fixated with two screws Ⓐ.
- If a seat shell is to be attached, the seat plate needs to be fixated with four additional screws Ⓑ. These are delivered with the wheelchair.

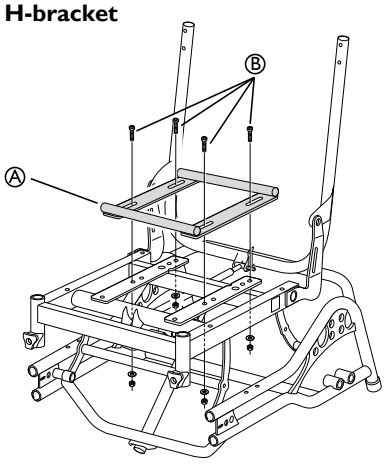
The seat plate is adjustable in depth.

Seat plate with wedge

The seat plate with wedges is an option that gives the possibility of 5° extra tilt either in front or in the back.

CAUTION!
Risk of damage
The one-piece moulded seat attachments might break.
– The back should not be reclined when the Azalea Base is equipped with one-piece moulded seat attachments.

H-bracket



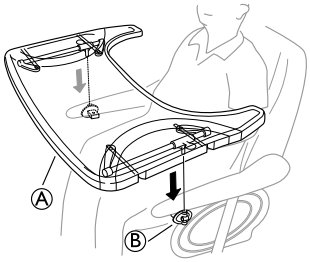
Ⓐ H-bracket

Ⓑ Attachment screws

The H-bracket is used when attaching a quick-release seat shell to the Azalea Base.

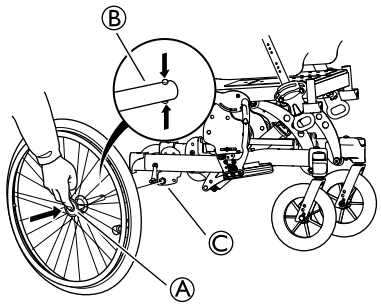
The H-bracket is adjustable in depth.

2.9 Mounting the table tray



Mount the table tray Ⓐ in the table tray attachments Ⓑ.

2.10 Mounting the rear wheels



1. Press and hold in the quick-release button Ⓐ.
2. Place the rear wheel axle Ⓑ in the rear wheel attachment Ⓒ.
3. Pull the wheels outwards to check that the wheel is securely locked in position.

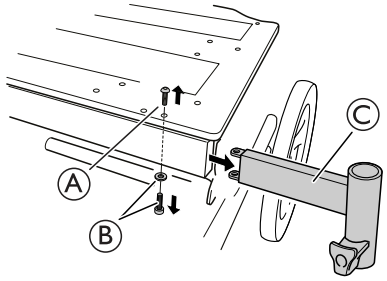
WARNING!
Risk of injury
– Check that the rear wheel is securely locked in position! It should not be possible to remove the wheels when the quick-release button Ⓐ is inactivated.

2.11 Mounting the legrest attachment for high position

With the high position legrest attachment, the fixation of the legrest will be 5 cm higher.

The high position legrest attachment is recommended for users with a height of 185 cm and taller.

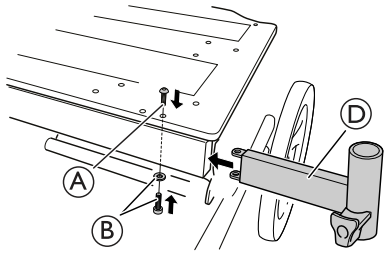
1.



Remove the upper screw Ⓐ and the lower screw and washer Ⓑ. Remove the ordinary legrest attachment Ⓒ.

Tools: Screwdriver (PH 2) for screw Ⓐ, allen key 5 mm for screw Ⓑ.

2.



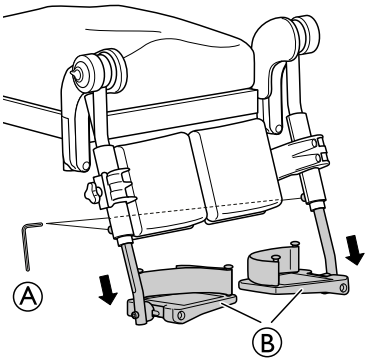
Mount the high legrest attachment Ⓓ in the seat frame. Re-insert the upper screw Ⓐ and the lower screw and washer Ⓑ. Re-tighten the screws.

Tools: Screwdriver (PH 2) for screw Ⓐ, allen key 5 mm for screw Ⓑ.

2.12 Mounting the foot box

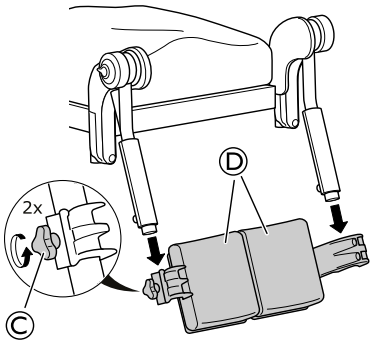
WARNING!
Risk of injury
– When using the foot box, the settings and adjustments of the accessory and the wheelchair, must always be performed by an authorized personnel or competent person with knowledge of seating and positioning.

The mounting of the foot box must be carried out by two persons.

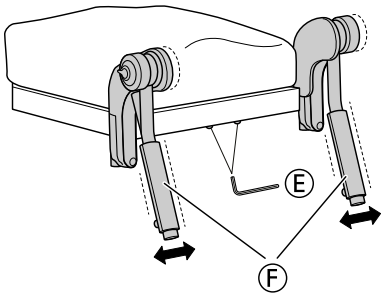


1. Loosen the screws Ⓐ.
2. Remove the footrests Ⓑ.

5 mm allen key

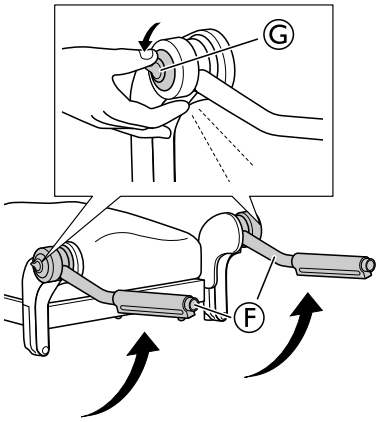


3. Loosen the handwheel Ⓒ on both calf pads approximately three turns.
4. Remove the calf pads Ⓓ.

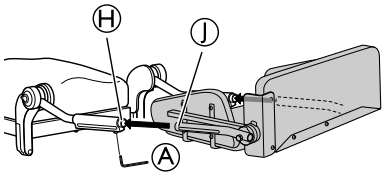


5. Loosen the screws Ⓔ.
6. Check that the legrest upper part Ⓕ is movable.

5 mm allen key



7. Turn and hold levers Ⓖ .
8. Lift the legrest upper parts Ⓕ upwards to a horizontal position.

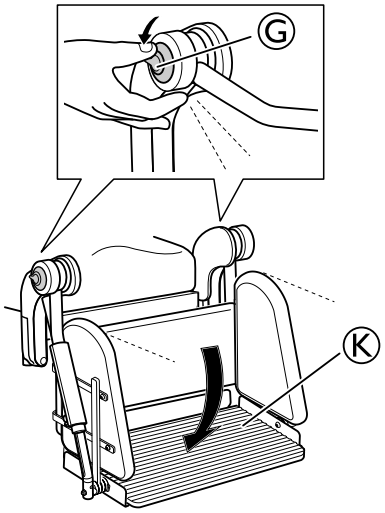


9. Push the tubes of the foot box Ⓙ on to the tubes of the legrest upper part Ⓗ.

Make sure that the screws are caught by one of the recesses on the foot box tubes.

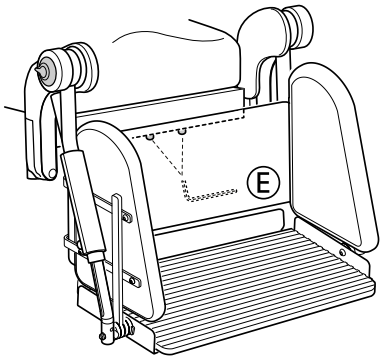
Re-tighten the screws Ⓐ.

5 mm allen key



10. Turn and hold down the levers Ⓖ.
11. Fold down the foot box Ⓚ.

WARNING!
Risk of injury and/or damage to the product
– Hold the foot box to secure it before releasing the levers, otherwise it will fall down.



12. Re-tighten the screws Ⓔ.

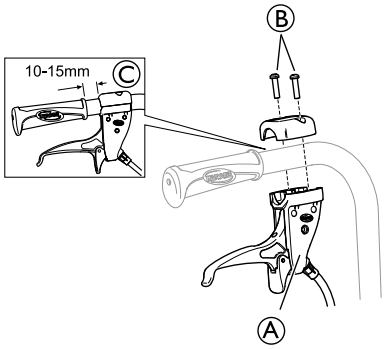
5 mm allen key

2.13 Mounting the drum brake

2.13.1 Drum brake for 16” wheels

WARNING!
Risk of injury
Poor brake affect
– Check the brake effect after mounting or adjusting the brake.

1.



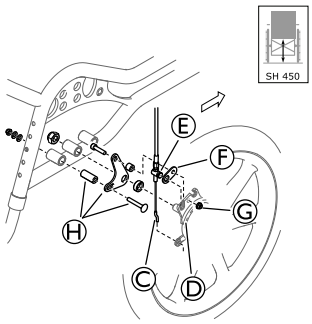
Mount the lever for the assistant maneuvered drum brake Ⓐ on the push handle and attach the screws Ⓑ.

ⓘ The distance between the handle and the lever for the assistant maneuvered drum brake must be 10 — 15 mm Ⓒ.

Torx driver T20

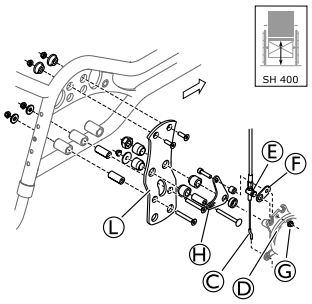
2.

Seat height 450 mm



a. Mount the wire hook from the brake handle Ⓒ in the wire holder on the brake Ⓓ.
b. Mount the wire Ⓔ in the attachment washer Ⓕ.
c. Mount the wire on the brake Ⓓ and tighten the nut Ⓖ.
d. Mount the screw for the attachment washer Ⓗ on the chassis.
e. Mount the wheel with the brake on the chassis and tighten the nuts.

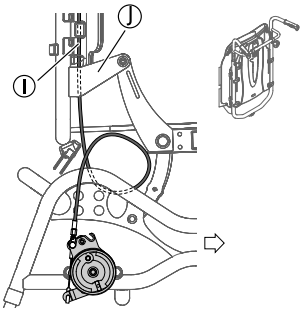
Seat height 400 mm



a. Mount the wire hook from the brake handle Ⓒ in the wire holder on the brake Ⓓ.
b. Mount the wire Ⓔ in the attachment washer Ⓕ.
c. Mount the wire on the brake Ⓓ and tighten the nut Ⓖ.
d. Place the height attachment Ⓛ between the attachment washer Ⓗ and the chassis.
e. Mount the attachment washer Ⓗ together with the height attachment plate on the chassis.
f. Mount the wheel with the brake on the chassis and tighten the nuts.

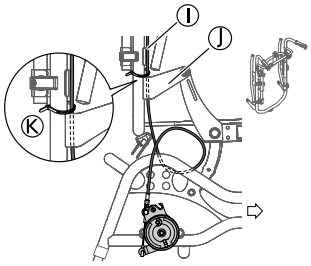
3.

Backrest plate



a. Thread the brake wire Ⓘ on the inside of the backrest attachment Ⓙ.
b. Place the brake wire Ⓘ in the clips on the backrest tubes.

Adjustable backrest

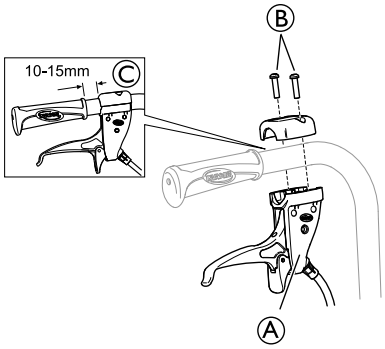


a. Thread the brake wire Ⓘ on the inside of the backrest attachment Ⓙ.
b. Fixate the brake wire Ⓘ with a strap on the backrest tubes Ⓚ.

2.13.2 Drum brake 22–24" wheels

WARNING!
Risk of injury
Poor brake affect
– Check the brake effect after mounting or adjusting the brake.

1.

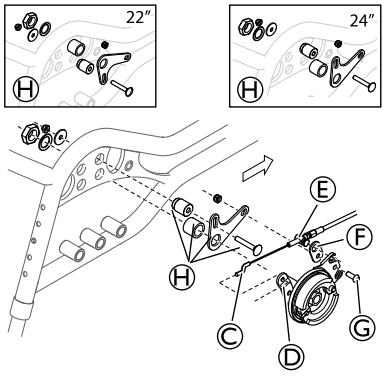


Mount the lever for the assistant maneuvered drum brake Ⓐ on the push handle and attach the screws Ⓑ.

ⓘ The distance between the handle and the lever for the assistant maneuvered drum brake must be 10 — 15 mm Ⓒ.

Torx driver T20

2.



a. Mount the wire hook from the brake handle Ⓒ in the wire holder on the brake Ⓓ.
b. Mount the wire on the brake Ⓓ and tighten the screw Ⓖ.

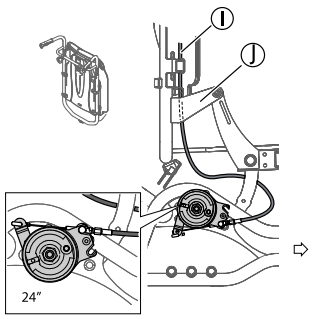
c. Mount the attachment washer Ⓗ on the chassis.

ℹ The attachment washer Ⓗ is placed in different positions depending on the size of the rearwheel.

d. Mount the wheel with the brake on the chassis and tighten the nuts.

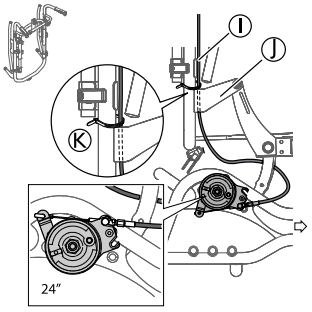
3.

Backrest plate



a. Thread the brake wire Ⓘ on the inside of the backrest attachment Ⓙ.
b. Place the brake wire Ⓘ in the clips on the backrest tubes.

Adjustable backrest



a. Thread the brake wire Ⓘ on the inside of the backrest attachment Ⓙ.
b. Fixate the brake wire Ⓘ with a strap on the backrest tubes Ⓚ.

ℹ The brake unit is mounted in different positions depending on the size of the rearwheel.

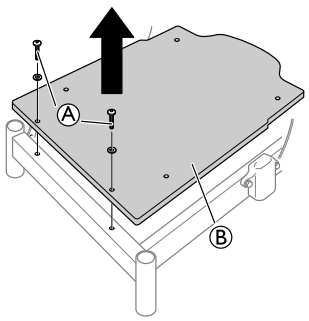
2.14 Mounting the electrical tilt

WARNING!
Risk of injury
– Make sure that all parts are disconnected from the power source.

CAUTION!
Risk of short circuit
– Be aware of electrostatic discharge (ESD) when working on electrical parts.

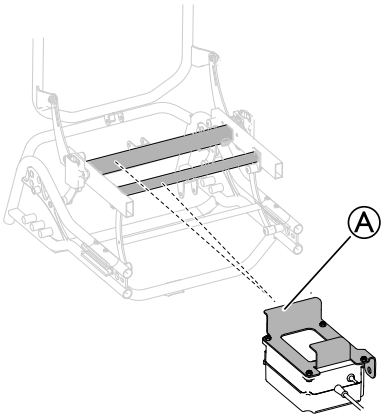
2.14.1 Mounting the battery

ℹ When changing the battery, the hand control cable needs to be connected for at least 10 seconds to be able to indicate the levels of the new battery.



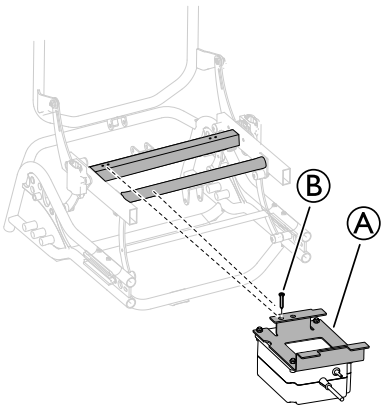
1. Loosen and remove the screws Ⓐ and the seat plate Ⓑ.

Azalea



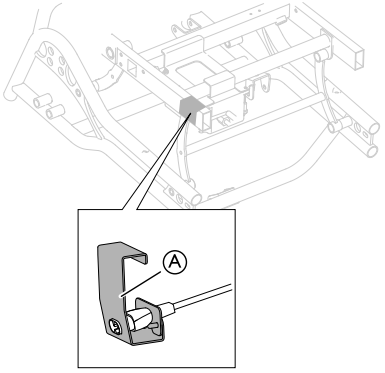
1. Mount the attachment with the battery Ⓐ on the frame.

Azalea Max

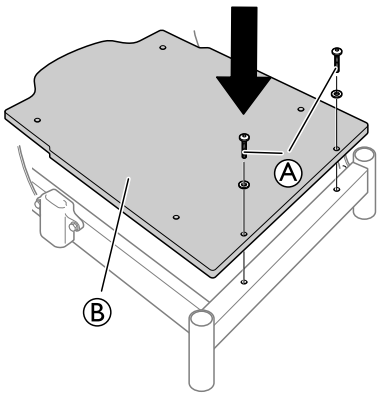


1. Mount the attachment with the battery Ⓐ on the frame.
2. Fixate the battery on the frame with the screw Ⓑ.

Mounting the holder for the battery cable

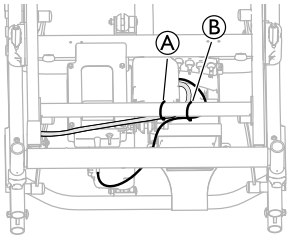


1. Place the holder with the battery cable Ⓐ on the marked area of the frame.



2. Re-mount the seat plate Ⓑ.
3. Tighten the screws Ⓐ.

Attaching the cables



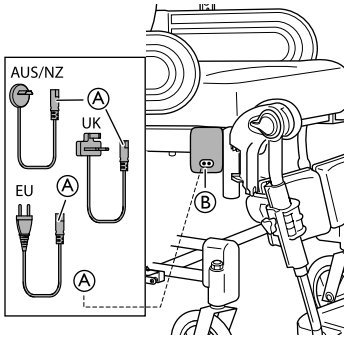
1. Attach the cable for the battery charger Ⓐ and for the battery Ⓑ to the frame with two separate cable ties.

Charging the battery

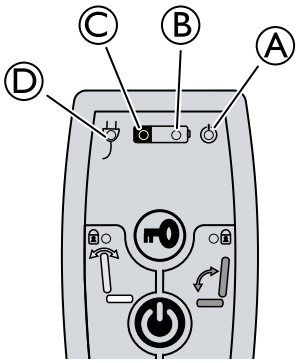
Damage to the battery
– The battery must be loaded 24 hours before using the system the first time.
– Unplug the mains cable after loading before the wheelchair is moved.

The battery charger has different charging cables in order to adapt to different local electrical standards.

When the battery level is low (20 V), the hand control beeps when it is used.



1. Connect the charger cable supplied with the chair into a wall socket.
2. Insert the charger cable Ⓐ into the connector Ⓑ which is on the side of the wheelchair.
3. Unplug the cable when the battery is fully charged.



Ⓐ Green light — ON — Hand control is activated

Ⓑ
- Green light — ON — Battery level is above 20%
- Green light blinking — ON — Battery is charging (fixed light when the battery is fully loaded)

Ⓒ
- Yellow light — ON — Battery level is low, below 20%
- Yellow light — OFF — Battery is fully loaded

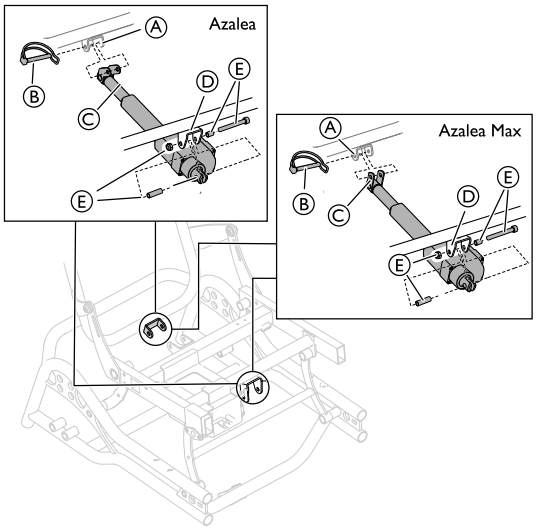
Ⓓ Green light — ON — Battery cable is connected (lights up about 5 seconds after connecting the cable)

2.14.2 Mounting the pistons

WARNING!
Risk of injury
The wheelchair may collapse
– Check that the locking washers are securely locked.
– If the safety pin is used, make sure that the lock shackle / loop is securely locked.

WARNING!
Safety risk
The wheelchair may collapse
– Remember to always reinsert and fasten the safety pin when it has been removed.
– Check that the lock shackle / loop is securely locked.

Piston for backrest recline



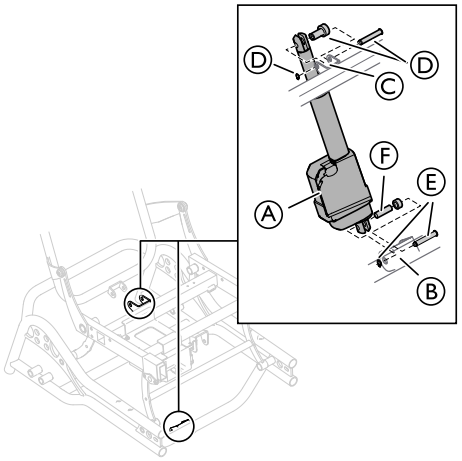
1. Place the attachment to the piston for the backrest recline Ⓒ in the attachment Ⓐ on the frame.
2. Fixate the attachment with the safety pin Ⓑ.
3. Place the front part of the piston in the front attachment Ⓓ on the frame.
4. Fixate the piston with the screw, sleeves and nut Ⓔ.

   The screw, sleeves and nut also fixates the battery to the front attachment Ⓓ. See section “Mounting the battery” for more instruction about how to mount the battery.

5. Tighten the screw.

6 mm allen key / 13 mm fixed spanner

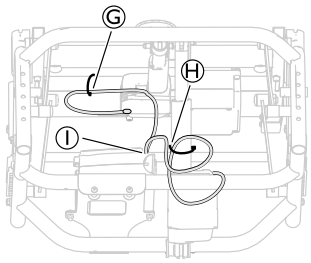
Piston for seat tilt



1. Place the upper part of the piston for the tilt Ⓐ in the attachment Ⓒ on the frame.
2. Fixate the piston with the safety pin, sleeve and locking washer Ⓓ.
3. Place the lower part of the piston for the tilt Ⓐ in the lower attachment Ⓑ on the frame.
4. Fixate the lower part with the sleeves Ⓕ, safety pin and the locking washer Ⓔ.
5. Tighten the screws.

Nippers

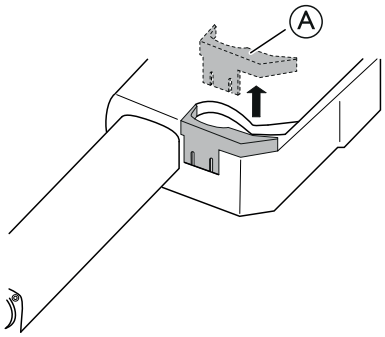
Attach the cables



1. Attach the cable for the seat tilt Ⓖ to the frame with a cable tie.
2. Attach the cable for the backrest recline to the piston with a cable tie.
3. Attach both cables to the control box Ⓘ with a cable tie.

2.14.3 Cable lock — piston

Cable lock removal



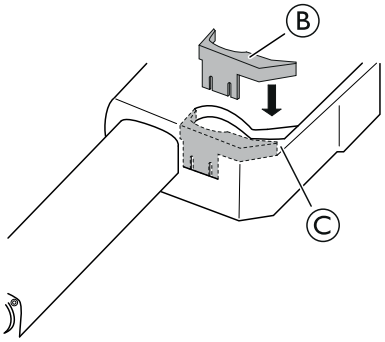
1. Loosen the cable lock Ⓐ.

   Use a screwdriver to loosen the cable lock.

2. Remove the cable lock from the piston.

CAUTION!
Damage to the product
– When a cable lock is removed, it must be replaced by a new one.

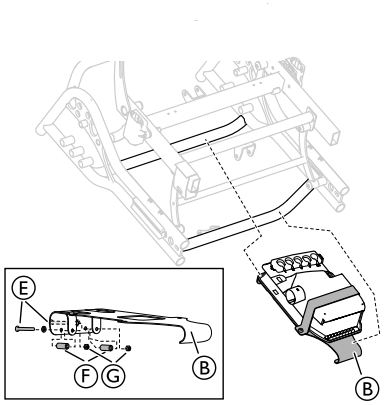
Mount the cable lock



1. Mont the cable lock Ⓐ by pushing it into place on the piston Ⓑ.

CAUTION!
Risk of damage to the product
– The cable lock must be mounted when washing the wheelchair.

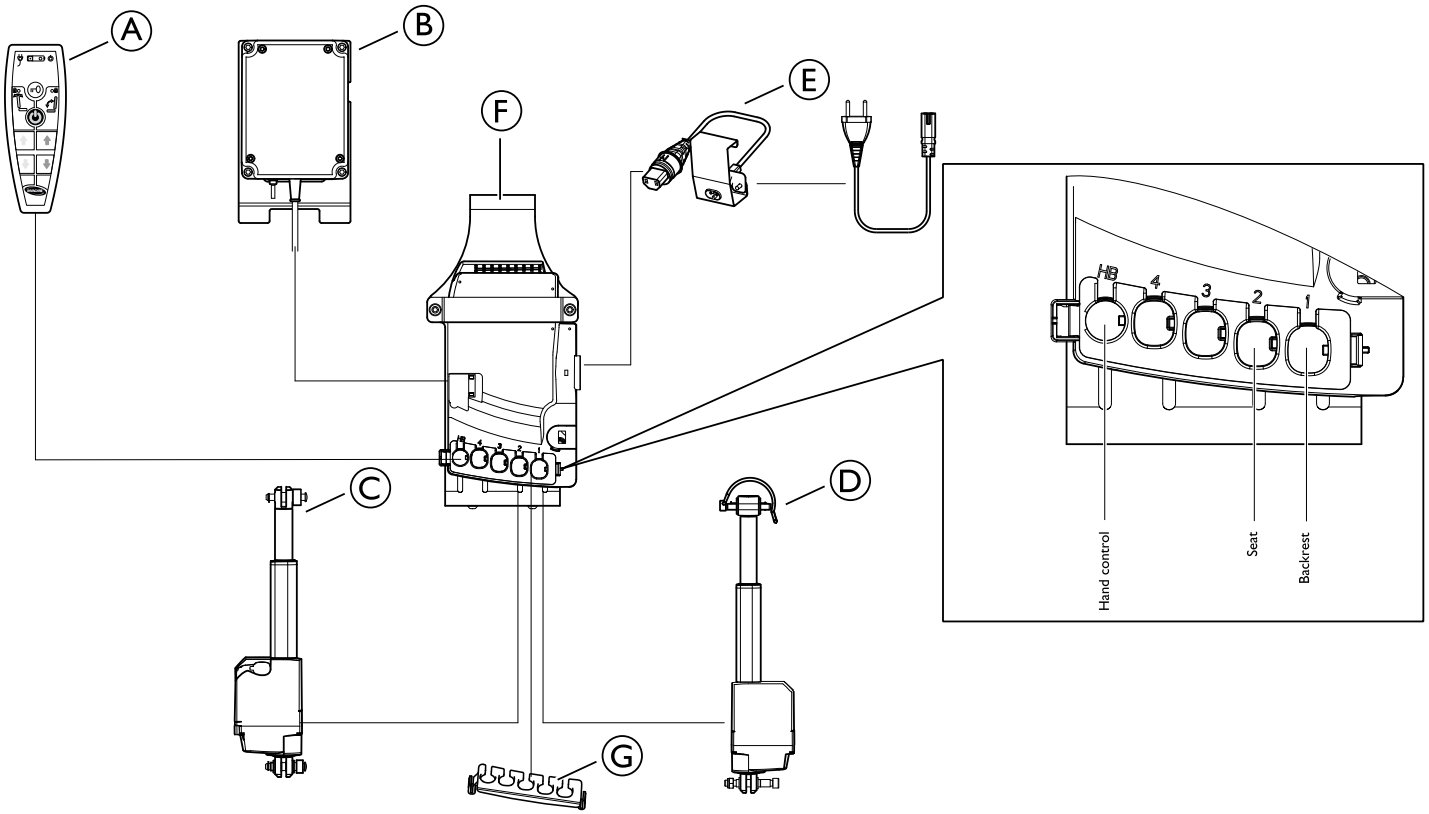
2.14.4 Mounting the control box



1. Mount the attachment Ⓑ with the attached control box on the chassis.
2. Fixate the attachment Ⓑ with the screws and washers Ⓔ, sleeves Ⓕ and nuts Ⓖ.
3. Tighten the screws.

3 mm allen key / 8 mm spanner

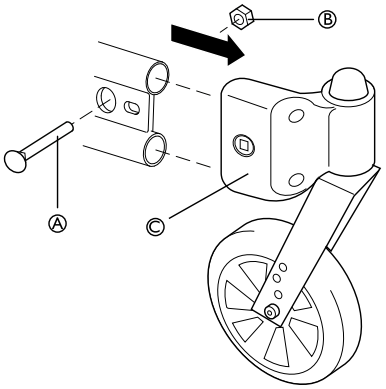
2.14.5 Electrical schedule



Ⓐ	Hand control
Ⓑ	Battery
Ⓒ	Piston for seat tilt
Ⓓ	Piston for backrest recline
Ⓔ	Mains cable
Ⓕ	Control box
Ⓖ	Cable lock

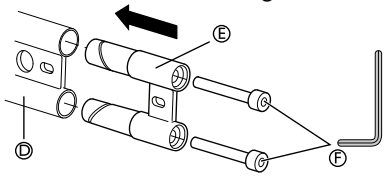
CAUTION!
Risk of malfunction
The system may not work properly
– Connect all functions before connecting the mains cable.
– Connect the hand control first. The connection at the control box is marked with “HB”.
– Connect the different actuators according to the schedule above.
– Check that all plugs are well connected and firmly pushed into the connection plug.
– Connect the mains cable and turn on the power.
– Connect the battery.
– Control boxes must only be connected to the mains voltage specified on the label. See chapter “Electrical system” for more information.
– Make sure that the cables are not trapped, tensed or exposed to sharp objects when using the system.

2.15 Mounting the chassis extender



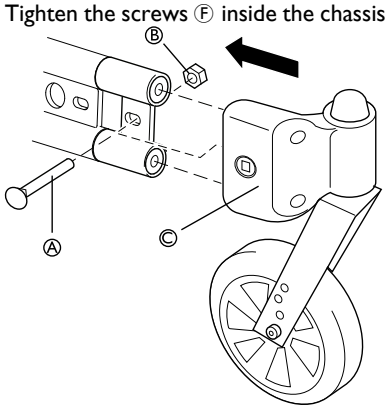
The wheelchair frame can be lengthened by 5 cm to improve stability and propelling characteristics when there is a lot of weight on the castors.

1. Loosen the screw Ⓐ and the nut Ⓑ.
2. Remove the castor housing Ⓒ.



Tools: 5 mm Allen key

3. Push the chassis extension Ⓔ into the frame tubing Ⓓ.
4. Tighten the screws Ⓕ inside the chassis extension tubes (18 Nm).



Ⓐ Castor housing screw

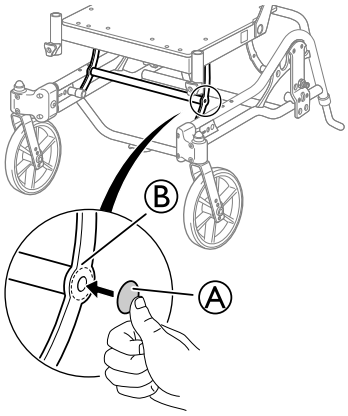
Ⓑ Castor housing nut

Ⓒ Castor housing

5. Remount the castor housing, now onto the frame extension.

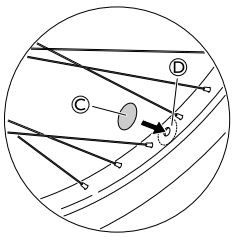
2.16 Wash sealing kit

1.

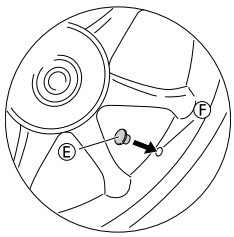


Add the first sealing stickers Ⓐ over the holes of the cross tube Ⓑ on both sides.

2.



20–24 inch wheels



16 inch wheels

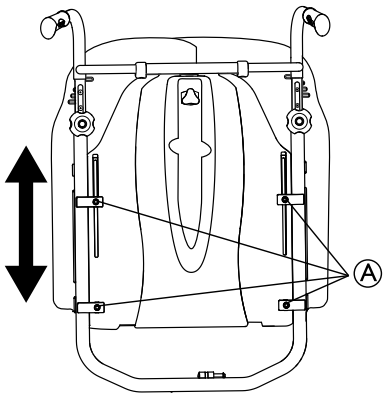
Add the second sealing sticker Ⓒ or the sealing plug Ⓔ over the draining hole on the wheels Ⓓ or Ⓕ.

3 Settings and Adjustments

3.1 Backrest plate

3.1.1 Height adjustment backrest plate

Risk of damage
Poor functionality on the backrest.
– Any adjustments made to the backrest should be evaluated by trained personnel.



You can easily adjust the backrest plate (+130 mm).

1. Loosen the four screws Ⓐ.
2. Set the backrest plate to the required height.
3. Re-tighten the screws.

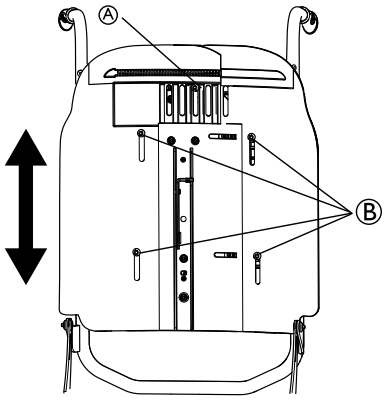
Tools: 5 mm Allen Key.

The height of the “Laguna” backrest plate is adjusted in the same way. Maximum height adjustment is 110 mm.

The “Laguna” backrest cushion is the only available cushion choice for the “Laguna” backrest plate.

Any adjustments made to the backrest should be evaluated by trained personnel.

CAUTION!
Risk of pinching
When adjusting the height these is a risk of pinching your finger.
– Be careful when adjusting the height.



Ⓐ Upper screws for additional height adjustment

Ⓑ Lower screws for additional height adjustment

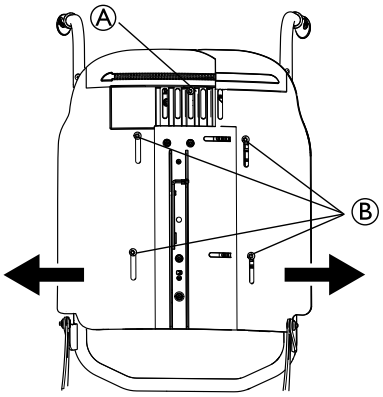
For additional height adjustment (50 mm):

1. Loosen screws.
2. Set the required height.
3. Re-tighten the screws.

Tools: 5 mm Allen Key

3.1.2 Width adjustment backrest plate

WARNING!
Risk of breakage
The backrest might brake if adjusted too wide.
– If you have seat width 490 mm (max seat width) the backrest should NOT be adjusted to the widest possibility (+100 mm).



Tools: 5 mm Allen Key

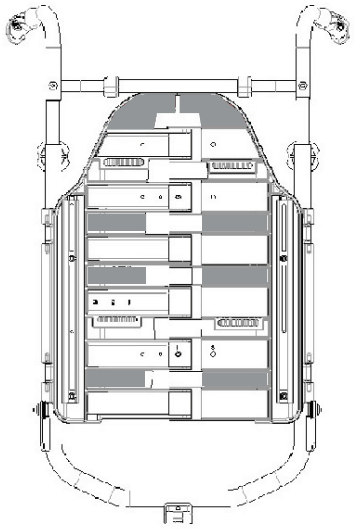
For width adjustment:

1. Remove the upper screw Ⓐ, and loosen the lower screws Ⓑ.
2. Adjust to the required width (+25 or 50 mm on each side).
3. Re-insert the upper screw and tighten.
4. Tighten the lower screws

The “Laguna” backrest plate is not possible to adjust in width, only in height.

3.2 Special adaptation of Flex 3 backrest

WARNING!
Safety risk
– All changes to the back are seen as a special adaptation of the product. That means that the rules for special adaptation are in force. All adaptations must be documented and a risk asessment must be carried out. The adaptor is responsible for the adaptions.



1. Remove the width adjustment plates.
2. Remove the screws on the front and remove the front and back plates. The shaded areas indicates where drilling can be done. Max. diameter of drill hole is 6 mm. Use washers with the minimum 18 mm diameter beneath the nut on the inside of the screws.
3. Return the parts, re-insert the screws and tighten them with 3,2 Nm.

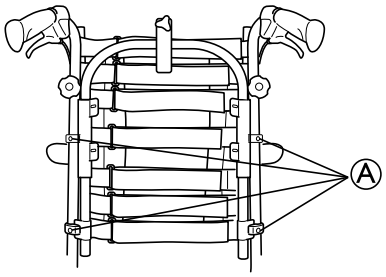
3.3 Tension adjustable backrest

3.3.1 Adjustment height — tension adjustable backrest

There are two ways of adjusting the height for the tension adjustable backrest:

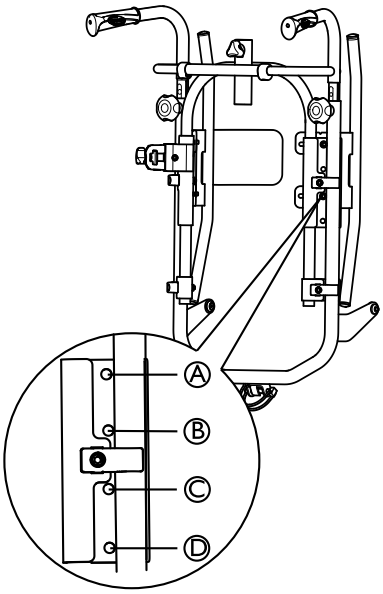
Height adjustment — alternative 1

You can easily adjust the tension adjustable backrest (max. +120 mm).



1. Loosen the four screws Ⓐ as shown above.
2. Set at the required height.
3. Re-tighten the screws.

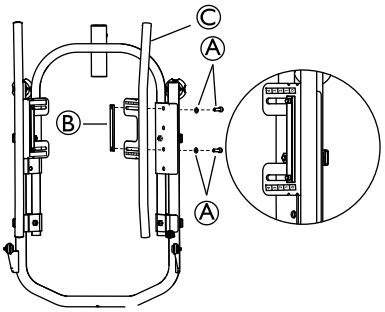
Height adjustment — alternative 2



Ⓐ to Ⓓ Screws for alternative height adjustment

Tools: 5 mm Allen Key

An additional height adjustment can be made by mounting the backrest attachment either in position Ⓐ and Ⓒ or in position Ⓑ and Ⓓ on the backrest tubes, as shown in the picture above.



Tools: 5 mm Allen Key

1. Remove the screws and the washers Ⓐ, the long nut Ⓑ, and the backrest attachment Ⓒ.
2. Support nut Ⓑ, screws and washers Ⓐ in order to prevent them from falling to the ground.
3. When the position of the backrest attachment Ⓒ is changed, re-mount everything and tighten the screws.

3.3.2 Width adjustment — Tension adjustable backrest

Risk of damage
Poor functionality on the backrest.
– Any adjustments made to the backrest should be evaluated by trained personnel.

The tension adjustable backrest must be adapted and adjusted according to the individual needs of the user. The following steps guides you through the adjustment of the backrest.

Turning of the backrest tubes

The tension adjustable backrest is designed with different angles as shown in picture Ⓐ and Ⓑ below. This allows for different adjustments according to how the backrest is mounted. Position Ⓐ (the part of the backrest with the longer angle turned upwards)

gives the user more room for the shoulder area while position Ⓑ gives more room for the bottom.

Determine if the user needs more space in the shoulder area or in the bottom area. The design of the backrest tubes with different angles allows for these adjustments.

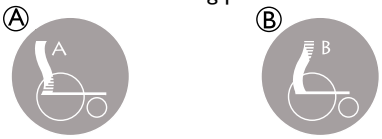
1. Loosen and remove screws on both sides.
2. Turn the backrest.
3. Reinsert the screws.
4. Make sure to fasten properly.

ℹ The user can not sit in the chair when the backrest tubes are removed.

The backrest tubes have a width adjustment of 25 mm. The upper and lower parts of the tubes can be adjusted individually to accommodate for different needs. The outward movement will embrace the user and offer lateral support.

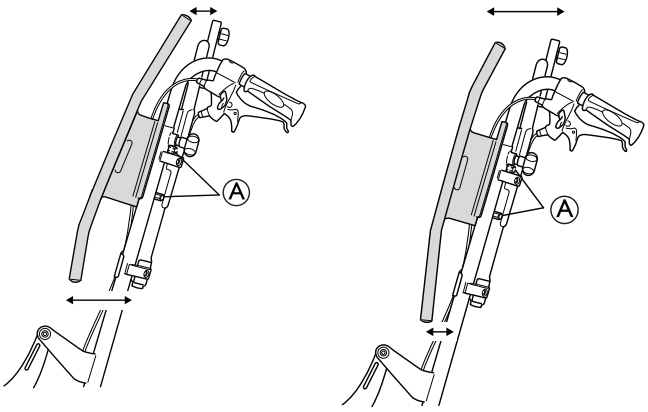
Backrest positioning

Angle the backrest- and seat tilt a couple of degrees in order to obtain a stable seating position for the user.



Ⓐ Position A — The longer angle of the backrest is turned upwards.

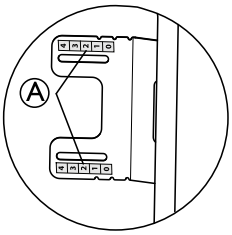
Ⓑ Position B — The longer angle of the backrest is turned downwards.



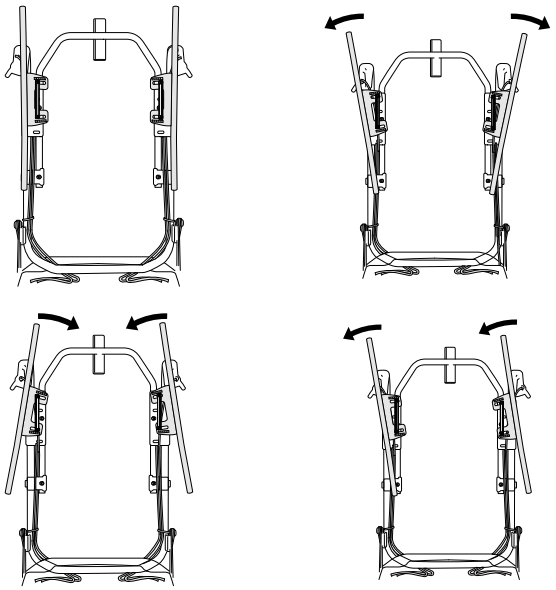
Ⓐ Screws for adjustment of the backrest tubes.

ℹ Tools: 5 mm Allen Key

3.3.3 Angle adjustment — Tension adjustable backrest



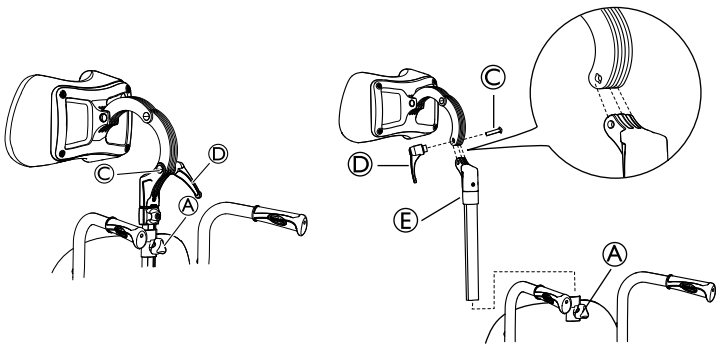
The backrest tubes can be angled individually, the indication labels Ⓐ on the backrest tubes are a help in order to get the same angle on both sides.



1. Move the user from the chair.
2. Remove the backrest cover and loosen the velcro® straps - the straps should slack about 5 cm.
3. Loosen the backrest tubes and adjust them in order to fit the shape of the user.
4. Re-tighten the screws after adjustment.

3.4 Positioning the headrest/neckrest to the front

ℹ This additional depth adjustment will move the headrest another 7 cm forward.



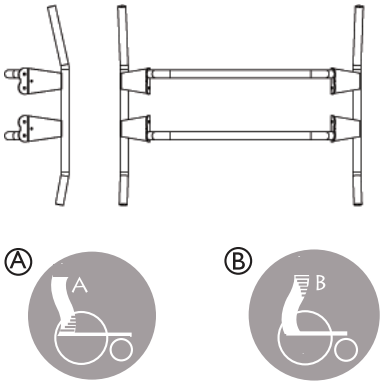
ℹ You can also adjust the angle and depth by turning the attachment for the headrest / neckrest.

1. Loosen the handwheel Ⓐ.
2. Remove the headrest / neckrest.
3. Loosen the handle Ⓓ.
4. Remove the screw and the handle.
5. Rotate the headrest / neckrest attachment pole including the attachment Ⓔ.
6. Return the headrest / neckrest to the attachment.

Note that the screw to the headrest / neckrest attachment Ⓒ and the handle Ⓓ must be mounted on the opposite side due to the groves in the screw hole.

7. Return the headrest / neckrest to the attachment on the backrest.
8. Re-tighten the handle Ⓓ.

3.5 Backrest for Azalea Max



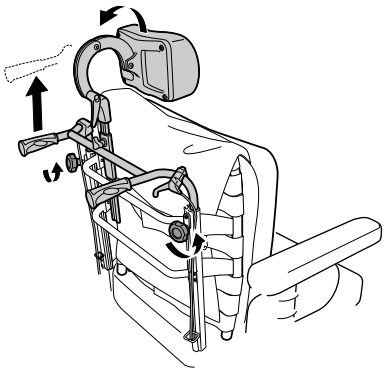
Ⓐ Position A — The longer angle of the backrest is turned upwards.

Ⓑ Position B — The longer angle of the backrest is turned downwards.

The backrest for the Azalea Max is designed with different angles. This allows for different adjustments according to how the backrest is mounted. Position Ⓐ (the part of the backrest with the longer angle turned upwards) gives the user more room for the shoulder area while position Ⓑ gives more room for the bottom.

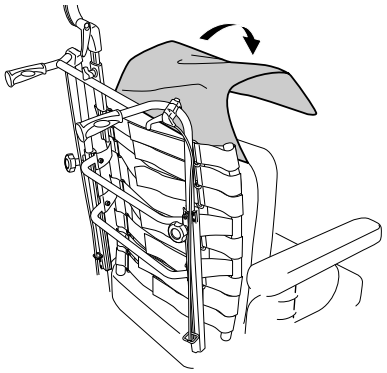
3.5.1 Adjustment backrest Azalea Max

1.



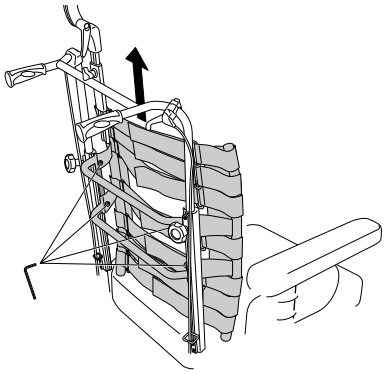
Loosen the handwheels and raise the push handles as far as possible.

2.



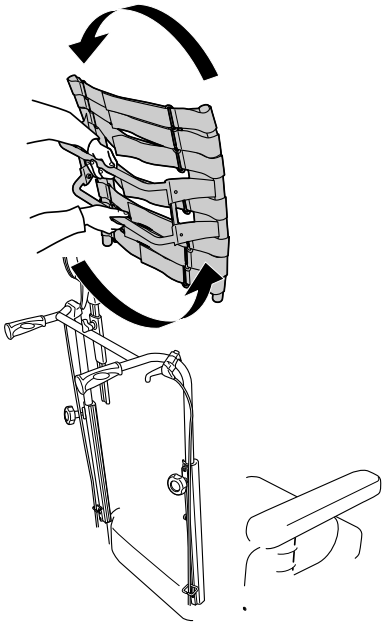
Remove the cover.

3.



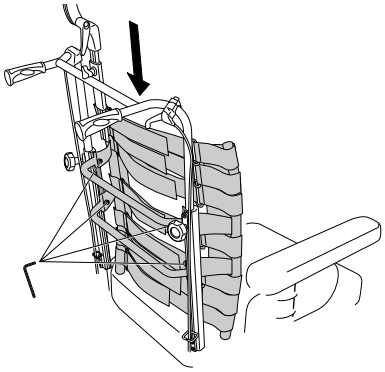
Loosen screws and remove the backrest by lifting upwards.

4.



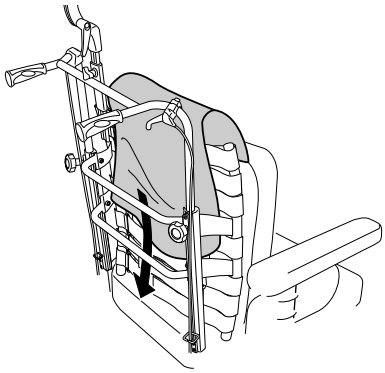
Turn the backrest 180°

5.



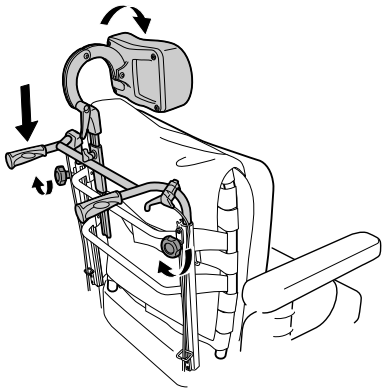
Put the backrest back by fitting it to the receivers on the tubes. Tighten the screws.

6.



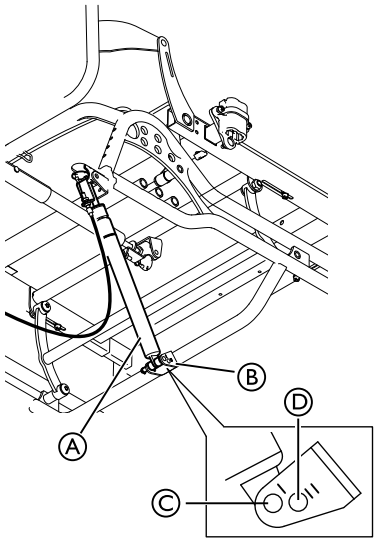
Put the cushion and cover back.

7.



Lower the push handles and tighten the hand wheels.

3.5.2 Azalea Max angle settings



Ⓐ Gas spring

Ⓑ Chassis attachment

Ⓒ Gas spring position when electric tilt is used

Ⓓ Gas spring position when electric tilt is not used

There is a possibility to change the range of available angles for the seat by changing the position of the gas spring on the chassis attachment.

WARNING!
Risk of damage
Incorrect mounting of the gas spring
– This procedure must only be performed by a service technician.

Other Azalea models can use either gas spring position (Ⓒ or Ⓓ).

When using electric tilt though, only gas spring position Ⓒ can be used.

WARNING!
Risk of pinching
– The wheelchair should be tipped over sideways before the gas spring is loosened from the chassi attachment. Otherwise there is a risk of pinching.

Angles obtained:

Gas piston position Ⓒ with 16 inch rear wheels: -1 — +23 degrees

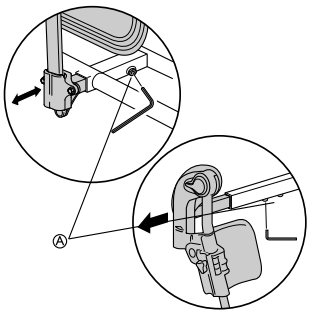
Gas piston position Ⓒ with 24 inch rear wheels: -1 — +23 degrees

Gas piston position Ⓓ with 16 inch rear wheels: +1 — +24 degrees

Gas piston position Ⓓ with 24 inch rear wheels: +1 — +24 degrees

3.6 Re-adjustment — armrest / legrest

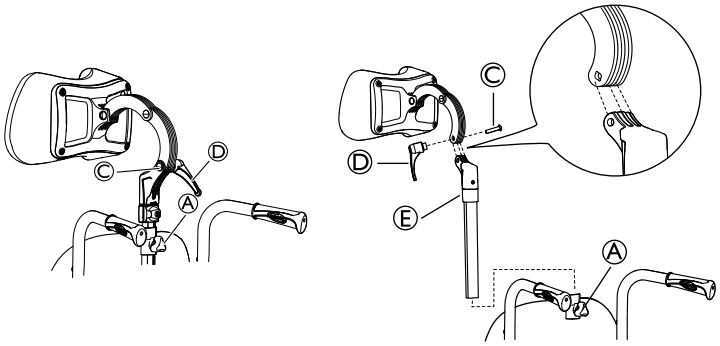
Risk of poor adjustment
– There must not be any pressure on the armrest / legrest while adjusting the screw.



After a period of use, the screws Ⓐ may need to be re-tightened (12Nm).

3.7 Positioning the headrest/neckrest to the front

This additional depth adjustment will move the headrest another 7 cm forward.



You can also adjust the angle and depth by turning the attachment for the headrest / neckrest.

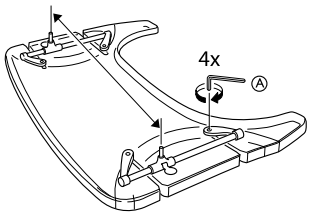
1. Loosen the handwheel Ⓐ.
2. Remove the headrest / neckrest.
3. Loosen the handle Ⓓ.
4. Remove the screw and the handle.
5. Rotate the headrest / neckrest attachment pole including the attachment Ⓔ.
6. Return the headrest / neckrest to the attachment.

Note that the screw to the headrest / neckrest attachment Ⓒ and the handle Ⓓ must be mounted on the opposite side due to the groves in the screw hole.

7. Return the headrest / neckrest to the attachment on the backrest.
8. Re-tighten the handle Ⓓ.

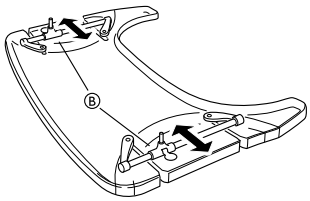
3.8 Width adjustment

1.



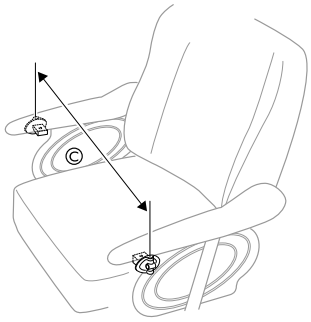
Loosen the 4 screws Ⓐ.

2.



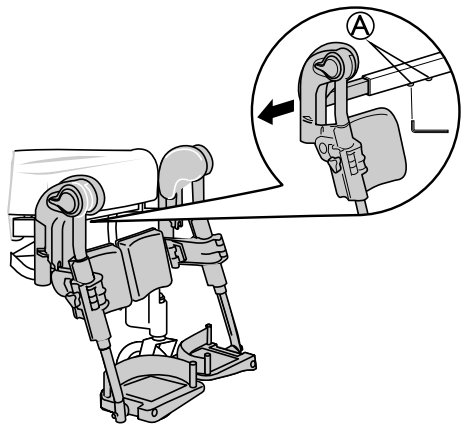
Adjust the attachment bars Ⓑ in order to fit the table to the desired width. Re-tighten the screws.

3.



Fit the table to fit the width of the chair Ⓒ.

3.9 Adjusting the width of the legrest



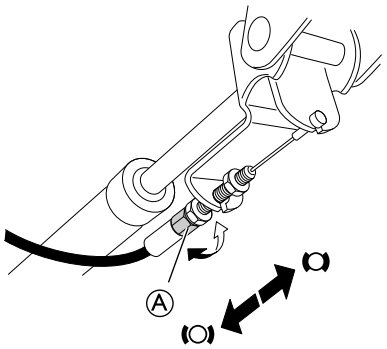
1. Loosen the screws Ⓐ.

   Tools: 5 mm allen key

2. Adjust the legrests to the desired width.
3. Re-tighten the screws.

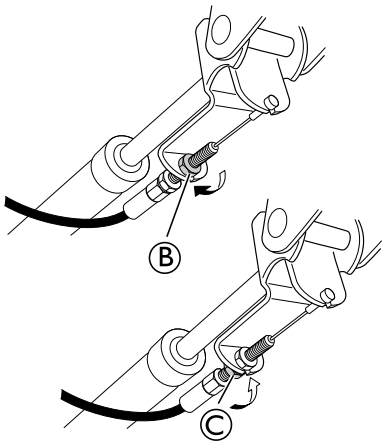
3.10 Adjusting the user/foot operated tilt

1.



Adjust the tilt resistance with the adjustment nut Ⓐ on the wire.

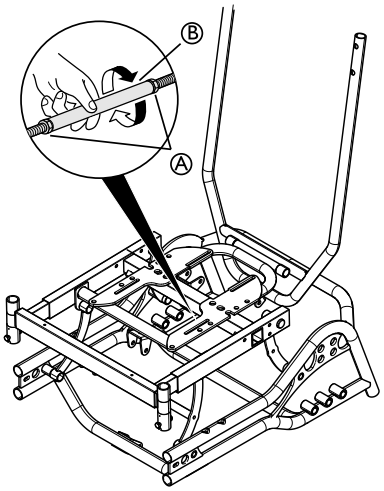
2.



Fixate the wire in the holder with the fixation nut Ⓑ. When the desired tilt resistance is achieved, fixate the position with the fixation nut Ⓒ.

3.11 Azalea Base — tilt and recline

3.11.1 Backrest angle — rigging screw



1. To adjust the angle of the backrest, first loosen nuts Ⓐ on the rigging screw.

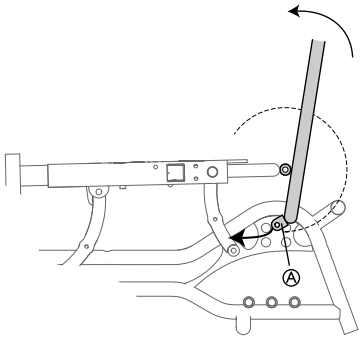
   Tools: 17 mm fixed spanner.

2. Turn the metal tube Ⓑ to set the desired angle for the back.
3. Re-tighten the nuts.

CAUTION!
Risk of discomfort for the user
The low pivot point causes shearing when the back is reclined, this might result in discomfort for the user.
– Make sure that the user is well positioned after each adjustment.

3.11.2 Backrest tilt — carer operated

- The Azalea Base can also be equipped with gas pistons for carer operated controls.
- You can adjust the angle of the backrest forwards or backwards and tilt the whole seat unit including the backrest.
- These two functions can either be controlled manually or electrically.



CAUTION!
Risk of damage
The gas piston attachment Ⓐ will scratch the surface on the chassis cross tube. This might eventually lead to corrosion.
– The seat unit needs to be tilted slightly before the back is dismounted/folded.

CAUTION!
Risk of discomfort for the user
The low pivot point causes shearing when the back is reclined, this might result in discomfort for the user.
– Make sure that the user is well positioned after each adjustment.

3.12 Foot box

WARNING!
Risk of injury
– When using the foot box, the settings and adjustments of the accessory and the wheelchair, must always be performed by an authorized personnel or competent person with knowledge of seating and positioning.

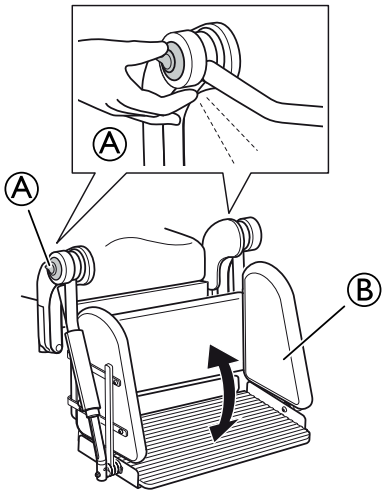
WARNING!
Risk of injury
The user might fall when getting in and out of the chair.
– When using the foot box, it is recommended to use a lifter.

WARNING!
Risk of injury and/or damage to the product
– Hold the foot box to secure it before releasing the levers, otherwise it will fall down.

The foot box should not be removed from the wheelchair during use, unless it needs to be replaced.

The adjustment of the foot box must be carried out by two persons.

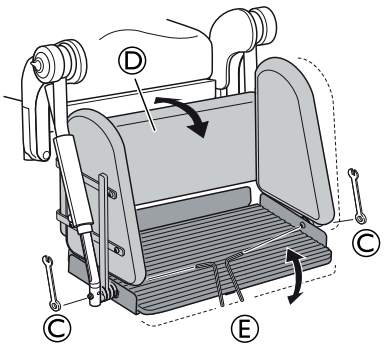
Position adjustment



1. Press the release handles Ⓐ.
2. Adjust the position of the foot box Ⓑ.
3. Let go of the release handles Ⓐ.

Make sure that the foot box is locked in position.

Angle adjustment

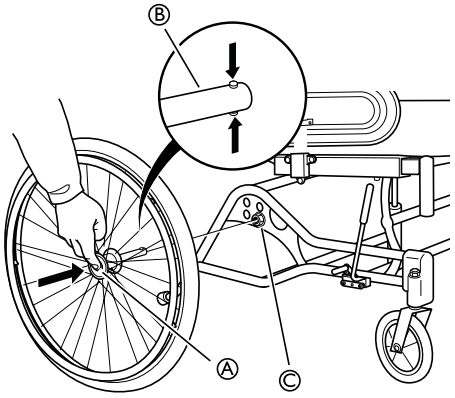


1. Loosen the nuts Ⓒ.
2. Adjust the foot box Ⓓ to the desired angle.
3. Re-tighten the nuts Ⓒ.

Fixate the screw with the allen key Ⓔ and loosen the nut with the spanner Ⓒ.

10 mm fixed spanner + 4 mm allen key

3.13 Rear wheels



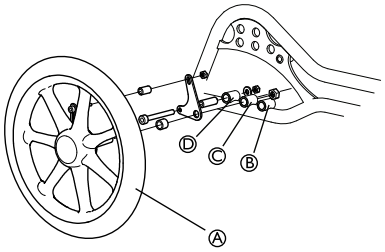
1. Push the quick-release button Ⓐ.
2. Pull the rear wheel straight out and remove the wheel and the rear wheel axle Ⓑ from the rear wheel attachment Ⓒ.

3.13.1 Adjustment rear wheels 16 inch

WARNING!
Safety risk
– When you have fitted the wheels in the correct position, it is important that you check thoroughly that the nuts and screws are tightened securely. This is important for your own safety!

CAUTION!
Risk of tipping
When accessories are mounted on the back of the wheelchair the tip risk increases.
– When accessories are mounted on the back of the wheelchair, the rear position should be used.

The 16" transit wheel Ⓐ can be placed in three different positions. The middle position is the standard position.



Ⓐ 16 inch rear wheel

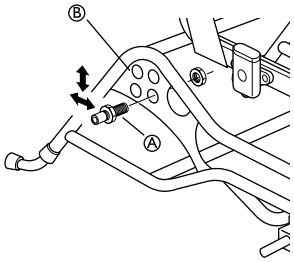
Ⓑ Front position for the rear wheel

Ⓒ Middle position for the rear wheel (standard position)

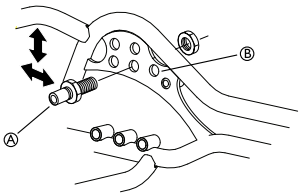
Ⓓ Rear position for the rear wheel

3.13.2 Adjustment 22–24 inch wheels

Azalea:



Azalea Max:



ℹ Tool: 24 mm fixed spanner

Horizontal position

1. Loosen the rear wheel attachment Ⓐ with a spanner.
2. Move the housing to the required position on the rear wheel position plate Ⓑ, either further forwards or backwards.
3. Check the position of the brakes, and that the user can move the chair safely in its new balance position.

ℹ For the Azalea Max there are three different horizontal positions for the rear wheel.

ℹ Make sure that you tighten the housing securely when you have decided on the position.

ℹ The axle housing should be tightened with a manual and dynamometric wrench calibrated to 40 Nm.

Height

1. Loosen and remove the attachment Ⓐ using a spanner.
2. Move the rear wheel attachment to the required height.
3. Re-tighten the attachment.

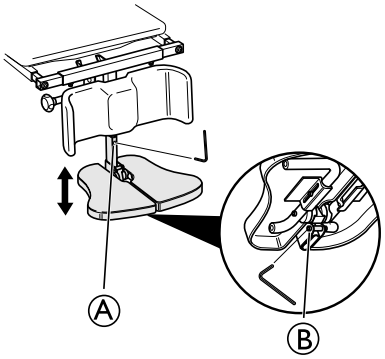
ℹ If the position in height is changed, the size of the rear wheels must also be changed.

See section: 7.7 Seat height tables, page 35 for correct positioning of the rear wheel.

3.14 Central legrest

3.14.1 Adjusting the height of the central legrest

You can adjust the height of the legrest in the following two ways:



Alternative 1:

1. Loosen the screw Ⓐ on the front of the telescopic tube.

   ℹ Tools: 5 mm Allen key

2. Place the legrest in the desired position.
3. Secure the legrest into place using the Allen screw.

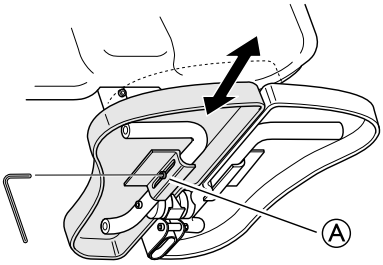
Alternative 2:

1. Loosen the Allen screw Ⓑ by the legrest attachment.

   ℹ Tools: 5 mm Allen key

2. Adjust to the desired height.
3. Re-tighten the screw

3.14.2 Adjusting the depth of the central legrest

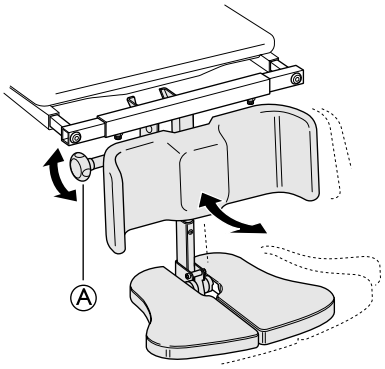


1. Loosen the frontal screw Ⓐ on the side of the tube.

   ℹ Tools: 5 mm Allen key

2. Adjust the depth of the foot plate.
3. Tighten the screw Ⓐ when you have found the desired depth.
4. Repeat this procedure to adjust the depth of the other foot plate.

3.14.3 Adjusting the angle of the central legrest

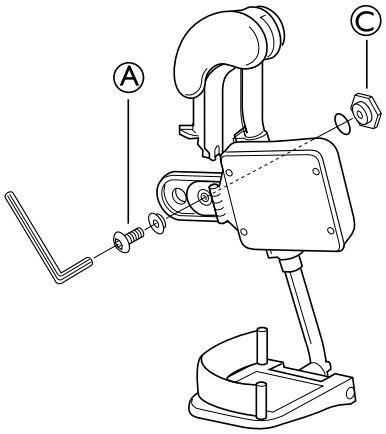


1. Loosen the adjustment knob Ⓐ.
2. Hold the foot plate with the other hand.
3. Adjust to the appropriate leg angle.
4. Re-tighten the knob.

WARNING!
Risk of trapping fingers
When adjusting the foot plate, the fingers might get trapped.
– Loosen the adjustment knob with one hand and hold the foot plate with the other hand to avoid trapping yours or anyone else's fingers.

CAUTION!
Risk of damage
The legrest might cause damage to the floor.
– When the seat is tilted forwards on a chair with a long legrest length and low seat height, there is a risk of the legrest hitting the floor and causing damage.

3.15 Adjusting the calf pads



1. Swing the pad forwards.
2. Unscrew screw Ⓐ.

   Tools: 5 mm Allen key

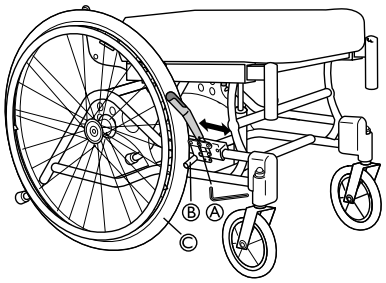
3. Remove the large nut Ⓒ on the reverse side and place it in the second attachment hole.
4. Move the calf pad to the new position.
5. Secure it into place with the screw Ⓐ and the nut Ⓒ.

3.16 Adjusting the brake effect

3.16.1 User brake — adjustment

To attain the correct braking effect, the brake pin should press into the tire when you apply the brake. The brake may therefore require depth adjustment.

WARNING!
Risk of reduced brake effect
– Incorrect setting or use of the brake reduces the braking effect.



Tool: 5 mm Allen key

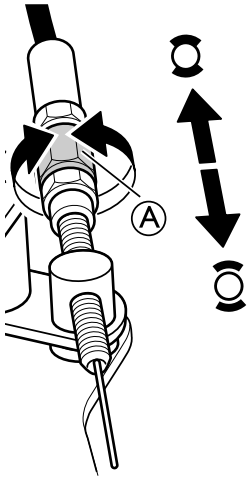
1. Loosen the screw Ⓐ.
2. Move the brake attachment to the required position.
3. Re-tighten the screw Ⓐ.

There should be a distance of approximately 6 mm between the pin Ⓑ and the tire Ⓒ.

CAUTION!
Risk of trapping fingers
– Be careful not to trap your fingers between the brake pin Ⓑ and rear wheel.

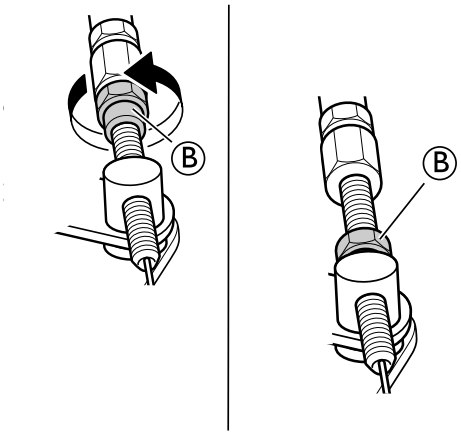
3.16.2 Drum brake — adjustments

1.



Adjust the brake effect with the adjustment nut Ⓐ on the wire.

2.



When the desired brake effect is achieved, fixate the brake wire with the fixation nut Ⓑ.

WARNING!
Risk of injury
Poor brake effect
– Check the brake effect after mounting or adjusting the brake.

4 Maintenance

4.1 Safety information

Regular checks and maintenance of the wheelchair ensure the user's safety and the expected lifetime of the chair.

4.2 Maintenance electrical version — SM

General

The electrical products are closed units and require no internal maintenance.

CAUTION!
Risk of damage to the product
- The plastic parts in the system cannot tolerate cutting oil.
- Do not use chemicals, inspect the system yearly for damage and wear.
- Do not use strong solvents, basic or alkaline liquids.
- The system must be cleaned at regular intervals to remove dust and dirt.
- The system must be inspected at regular intervals for mechanical damages, wear and breaks.
- The system must be inspected at attachment points, wires, piston rods, cabinets and plugs.

Battery

The electrical products are closed units and require no internal maintenance.

CAUTION!
Risk of damage to the product
- Handle the battery carefully.
- The battery should be replaced after 4 years at the latest depending on the usage frequency.
- For an optimum lifetime, the product must be connected to the mains voltage as often as possible. It is recommended to load the battery at least every 3:rd month.
- Test the battery function at least once a year.

4.3 Flat tire

If you have a flat tire on your wheelchair, contact your Invacare dealer in order to get the flat tire attended to by competent personnel.

4.4 Cleaning

- Wipe metal parts and the upholstery regularly with a damp cloth.
- A mild detergent may be used.
- If necessary, the upholstery can be washed at 60° C.
- Normal washing powder/liquid may be used.

Only use water and soft soap to clean the table!

- For disinfection only use alcohol based detergent.

4.5 Washing and disinfection

1. Remove all loose and removable covers and wash them in a washing machine according to the washing instructions for each cover.
2. Remove all padded parts such as seat cushions, armrests, headrest/neckrest with fixed padded parts, calf pads and so on and clean them separately.

   The padded parts can not be cleaned with a high-pressure cleaner or water jet.
3. Spray the wheelchair chassis with detergent, for example a car-cleaning agent with wax, and leave on to work.
4. Rinse the wheelchair chassis with a high-pressure cleaning or ordinary jet of water depending on how dirty the wheelchair is. Do not aim the jet towards bearings and draining holes. If the wheelchair chassis is washed in a machine the water must not be hotter than 60° C.
5. Spray the wheelchair chassis with alcohol for disinfection.

   Only use water and soft soap to clean the table!
6. Leave the wheelchair to dry in a drying cabinet. Remove parts where water has collected for example in end tubes, ferrules etc. If the wheelchair has been washed in a machine, blow-drying with compressed air is recommended.

Dartex®

Lighter stains on the fabric may be neutralized with a soft damp cloth and some neutral detergent. To neutralize larger, more persistent stains, wipe the fabric with alcohol or turpentine substitutes, and wash with hot water and a neutral detergent.

Proprietary disinfectants may be used, provided that the manufacturer's instructions are followed. The fabric can be washed at temperatures up to 71° C (160° F). Normal detergents can be used.

All parts of the wheelchair with Dartex® upholstery, such as armrest pads, calf pads, headrest/neckrest, should be cleaned according to the instruction above.

4.5.1 Electrical version

Important!
- The Azalea with electrical backrest or tilt is protected according to IPX6. This means that the product can be washed with a brush and water. The water can be under pressure (garden hose or equivalent), but high pressure water must not be sprayed directly towards the electrical system.
- Max washing temperature 20° C.
- Do not use a steam cleaner.
- Before cleaning, make sure that the power plug is not connected.
- Interconnected cables must remain plugged in when cleaning the product.
- Retract the actuator to the innermost position when cleaning to avoid degreasing of the piston rod.

4.6 Reconditioning

Components	
ℹ Lubricate all removable parts with a dry teflon based spray, e.g "Viso 900–B5".	
Chassis	All parts must be checked for cracks or other damages. Pay special attention to areas close to welds. If damages are discovered, the chassis must be discarded.
Backrest angle	Check that the angle is easy to adjust, it should be easy to fold and the locking mechanism must function properly.
Push handles / Push bar	Check that the push handles / push bar works properly. They should be firm and the screws must be tightened properly.
Back- and seat covers	• Check that the velcro® strips are intact and can be fixed properly. • Check that the covers are intact and clean, if not see section: "Washing and disinfection" • If the fabric is torn, replace the cover.
Seat angle	Check the function by changing the angle from the lower to the highest position. **Risk of damage** – The gas piston must not be opened, it contains oil and gas under high pressure. ⚠ **CAUTION!** **Risk of damage** – The gas piston must not be opened, it contains oil and gas under high pressure.
Carer-operated brakes	Check that the brake function is good, if not: 1. Check that the wire is intact, if not, it must be replaced. 2. Check that the wire cover is intact, if not, the wire must be replaced. 3. Adjust the wire at the handle and/or at the wheel hub. 4. Tighten the wire until the optimal brake function is achieved.
Armrests / side rests	Check that the armrests / side rests are intact, they should be easy to detach / attach.
Legrests	Check that the legrets are: • Easy to detach • Easy to attach • Easy to adjust in height and angle
Anti-tip device	• Check that the anti-tip device is easy to adjust and fold. • Check that the screws are tight, if not, retighten.
Rear wheels	• Change the tires if the pattern is worn. • Replace missing spokes and tighten loose spokes. • Fasten the hand rim if it is loose. • Check that the hand rim is smooth and that there are no cracks or sharp edges. If so, replace the hand rim. • Check the rear wheel axle, it should be completely inserted into the axle housing. Check that the rear wheel axle locks properly. Pull on the rear wheel to check that the removable axle does not come off. • Check the air pressure — recommended air pressure is 3,5 bar / 50 psi for standard tires.
Rear wheel attachment	Check: • That the screws on the rear wheel attachment are tight. • That the axle housing is correctly placed. ℹ The axle housing should be tightened with a manual and dynamometric wrench calibrated to 40 Nm.
Brakes	• Check that the hub brakes work properly on both tires. • Check the positioning of the user brakes. • Check that the brake pin is not worn down. If so, replace it. • Check that the screws are tightened. • Test the brake function. When braking, the brake pin should press the tire down by 5 mm. ℹ Make sure that you have the correct air pressure in the tires to attain the optimal brake effect.

Components	
Castors	• Detach the castors and clean the castor forks. • Remove any dirt or hair from the castors. • Attach the castors again and check that the castors turn freely. • If the castors are air filled, check the pressure — recommended air pressure for low profile tires is 8” / 4.0 bar. • If the castors are solid, check the tires for cracks. If the tires are dry and filled with cracks, they need to be replaced.
All fasteners for wear and tightness	Bolts and other fasteners can come loose due to constant use: 1. Check that the fasteners are tight on the castor forks, footrest, seat, side rests, backrest, handles etc. 2. Tighten any loose bolts or screws.

Accessories	
ⓘ Lubricate all removable parts with a dry teflon based spray, e.g “Viso 900–B5”.	
All fasteners for wear and tightness	Bolts and other fasteners can come loose due to constant use: 1. Check that the fasteners are tight on the castor forks, footrest, seat, side rests, backrest, handles etc. 2. Tighten any loose bolts or screws.
Headrest	• Check that the side- and angle adjustment for the “wings” works properly. • Check that the angle adjustment works and that there is a memory function.
Neckrest	• Check that the angle adjustment works and that there is a memory function.
Trunk support “Multi functional”	• Check that the angle adjustment works properly and that there is a memory function.
Abduction cushion	• Check that the depth adjustment works.
Table tray	• When re-mounting the table tray, try to find the thread manually before fastening the screws with tools. This spare the threading.

4.6.1 Checklist for reconditioning

	OK	NOTE	SIGN
WASHING			
RECONDITIONING:			
Chassis			
Backrest angle			
Push handles / Push bar			
Backrest cover			
Seat cover			
Seat angle			
Carer-operated brake			
Armrests / Side rests			
Legrests			
Footrests			
Anti-tip device			
Rear wheels			
Rear wheel attachment			
Brakes			
Castors			
Fasteners for wear and tightness			
Headrest			
Neckrest			
Trunk support			
Abduction cushion			
Table tray			
TEST:			
Chair rolls in straight line			
Easy to propel			
DELIVERY CHECK:			
Include a user manual			

5 After Use

5.1 Recycling

The wheelchair can be divided into the following main components:

- Chassis
- Plastic parts
- Upholstery
- Wheels, tires and tube
- Packing

5.2 Waste disposal

Please be environmentally responsible and recycle this product through your recycling facility at its end of life.

Waste disposal must comply with the laws and regulations pertaining waste handling in each country.

Invacare® is continuously working towards ensuring that the company's impact on environment, locally and globally, is reduced to a minimum.

We comply with the current environment legislation (e.g. WEEE and RoHS directive).

We only use REACH compliant materials and components.

The wheelchair can be divided into the following main components:

Chassis

- The chassis is produced in steel and is fully recyclable.
- Recycling of steel requires only 20-25% of the energy compared to new produced steel.
- The wheelchair has two gas pistons and they contain oil and must be disposed according to national requirements.

Be aware of that the gas pistons contains high pressure and must be handled with care during destruction.

Plastic parts

- The plastic parts in the chairs are produced of "Thermoplastic" and are marked with recycling symbols (where it is possible due to part size).
- The main plastic material is polyamide.
- The plastic materials for the table are ABS and polyamide.
- This material can be recycled or burned in approved facilities.

Upholstery

- Upholstery is produced of polyester fibres (PUR) and Dartex® .
- The efficient way to recycle the parts is to burn them in approved facilities.

Wheels, tires and tubes

- The handrim, rim, spokes and hub are made of steel, stainless steel or aluminium and can be recycled according to above.
- Tires and tubes are made of rubber and can be recycled according to above.

Packing

- All Invacare Rea AB packing material is developed to fit the products in an optimal way to reduce unnecessary material waste.
- All boxes are recyclable.

Electrical and Electronic equipment

This product has been supplied from an environmentally aware manufacturer that complies with the Waste Electrical and Electronic Equipment (WEEE) Directive 2012/19/EU. This product may contain substances that could be harmful to the environment if disposed of in places (landfills) that are not appropriate according to legislation.

End of life

At the end of this products life, it should be recycled according to laws and regulations for waste handling in each country.

Contact your local recycling agent to obtain the correct information on how to handle the above mentioned materials.

6 Troubleshooting

6.1 Troubleshooting electrical system

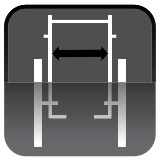
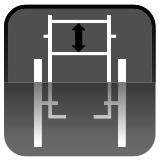
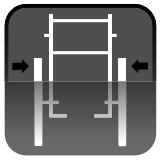
Symptom	Possible cause	Remedy
Mains indicator does not light up	Mains are not connected	Connect mains
	Fuse in the control unit is blown	Replace the control unit
	Control unit is defective	Replace the control unit
Mains indicator lights up, but the motor is not running. The relay in the control unit makes a clicking noise.	Motor plug is not fully inserted into the control unit.	Insert the motor plug properly into the control unit
	The motor is defective.	Replace the motor
	Motor cable is damaged.	Replace the cable
	Control unit is defective	Replace the control unit
Mains indicator lights up, but the motor is not running. No relay sound is heard from the control unit.	Control unit is defective	Replace the control unit
	Hand control is defective	Replace the hand control
Control unit is in order except for one direction on one channel.	Control unit is defective	Replace the control unit
	Hand control is defective	Replace the hand control
Motor is running, but the piston rod does not move.	Motor is damaged	Replace the motor
The motor cannot lift full load.		
Motor noise, but no movement of piston rod.		
Piston rod operates inwards and not outwards.		

Risk of personal injury and damage to the product.
– The wheelchair must be unplugged from the main power source before opening or repairing electrical parts.

WARNING!
Risk of personal injury and damage to the product.
– The wheelchair must be unplugged from the main power source before opening or repairing electrical parts.

7 Technical data

7.1 Dimensions and weights

				
1. Seat width	2. Seat depth	3. Seat Height	4. Backrest height	5. Armrest height
				
6. Legrest length	7. Tilt adjustment	8. Total width	9. Total height	10. Total length
11. Weight	12. Maximum user weight	13. Transport weights	14. Backrest adjustment	

	AZALEA	AZALEA ASSIST	AZALEA TALL	AZALEA BASE	AZALEA MINOR	AZALEA MAX
1.	390–550 mm	390–590 mm	390–590 mm	340–590 mm	340–440 mm	550–710 mm
2.	430–500 mm	430–500 mm	480–550 mm	380–500 mm	380–450 mm	* 500–570 mm
3.	400/450 mm	400/450 mm	500 mm	400/450 mm	400/450 mm	400/450 mm
4.	560–790 mm 540–715 mm	560–790 mm 540–715 mm	560–790 mm 540–715 mm	—	550–650 mm	** 620–700 mm
5.	240–360 mm	240–360 mm	240–360 mm	240–360 mm	240–360 mm	320–420 mm
6.	330–500 mm	330–500 mm	330–500 mm	330–500 mm	330–500 mm	330–500 mm
7.	-1° – +24°	-1° – +24°	-1° – +24°	-1° – +24°	-1° – +24°	-1° – +20°
8.	SW +250 mm	SW +220 mm	SW +220 mm	SW +220 mm	SW +220 mm	SW +250 mm
9.	950–1020 mm	950–1020 mm	1000–1300 mm	900–1300 mm	900–1250 mm	1020–1240 mm
10.	950–1020 mm	950–1020 mm	950–1070 mm	950–1020 mm	900–970 mm	1050–1120 mm
11.	34 kg	34 kg	36 kg	20 kg	32 kg	54 kg
12.	135 kg	135 kg	135 kg	135 kg	75 kg	180 kg
13.	16,5 kg	20,5 kg	18,7 kg	15 kg	14,5 kg	26 kg
14.	0° – +30°	0° – +30°	0° – +30°	–3° – +30°	0° – +30°	0° – +30°

The reversing width for Azalea Assist: seat width +760 mm.

* A smaller seat width can be obtained by using the side rest pad.

** A lower backrest height can be obtained by using another backrest.

7.2 Material

Chassis, backrest tubes	Steel, powder coated
Plastic parts like push handles, brake handles, foot plates and parts of most accessories	Thermoplastic (e.g. PA, PE, PP, ABS and TPE) according to marking on the parts
Upholstery (seat and backrest)	Foam PUR and Polyether, fabric Dartex® and plush
Table	ABS
Seat plate	Coated Birch plywood
Other metal parts	Zink alloys, aluminium alloys and steel
Screws, washers and nuts	Steel, corrosion free

7.3 Environmental conditions

	Storage and transportation	Operation
Temperature	-10° C to +50° C	-5° C to +40° C
Relative humidity	20% to 75%	
Atmospheric pressure	800 hPa to 1060 hPa	

Be aware that when a wheelchair has been stored under low temperatures, it must be adjusted to operating conditions before use.

7.4 Electrical system — Azalea with electric tilt and backrest

Voltage supply	Uin 220 Voltage, AC, 50 Hz (AC = Alternating current), DC 24 V (DC = Direct current)
Maximum current input	Iin max. 2,3 Ampere (battery = max 1,3 Ampere)
Intermittent (periodic motor operation)	10 % 2 min ON / 18 min OFF
Insulation class	CLASS II equipment
	Applied Part complying with the specified requirements for protection against electrical shock according to IEC60601-1.
Degree of protection	The control unit, external power supply, motors and hand controls are protected according to IPx6. See label and label on each electric device for correct IP class. The lowest IP-classification decides the overall classification of the system. **IPx6**- The system is protected against water projected from any direction (not high pressure).

For full details, also read the documentation from the manufacturer. Download manual(s) from www.linak.com or contact your Invacare dealer.

7.5 Electromagnetic compliance (EMC)

General information

Products with electronic equipment needs to be installed and used according to the EMC information in this user manual.

WARNING!
Portable and mobile communications equipment can affect the operation of this product.
This product must not move unintentionally while being submitted to Electromagnetic interference
– If this should happen; the product must immediately be taken out of use and checked by a trained technician.

This product has been tested and complies with the EMC limits specified by IEC 60601-1-2 for Class B equipment.

This product has a very low emission and should not interfere with other equipment.

However, if other devices nearby should react inexplicably, run and stop this product and observe the devices.

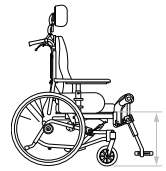
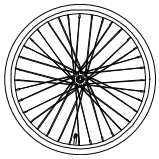
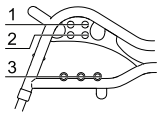
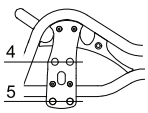
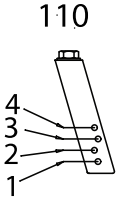
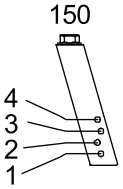
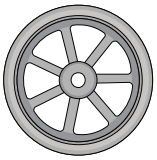
- If nothing happens with the other devices, then this product is not causing the error.
- If other devices are behaving in an inexplicable manner, then this product is causing the error. Solve the problem by moving or increasing the distance between them.

7.6 Electromagnetic compliance (EMC) - Manufacturer´s declaration

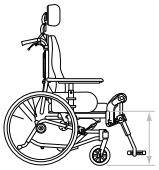
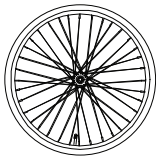
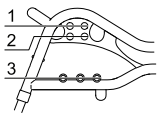
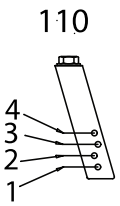
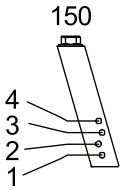
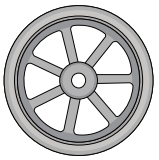
Test	Basic Standard	Compliance Level / Frequency Range
Mains PortConducted Emissions	EN 55011:2007	Group 1 Class B
Radiated Emissions	EN 55011:2007	Group 1 Class B
Mains Harmonics	EN 61000-3-2:2006 +A1:2009 + A2:2009	Class A
Voltage Fluctuations	EN 61000-3-3:2008	dc%/dmax/d(t)/Pst
Electrostratic Discharge	EN 61000-4-2:1995	±2/4/6kV Contact, ±2/4/8kV Air
Radiated Field Immunity	EN 61000-4-3:2006	3V/m, 80% 1kHz AM, 80MHz - 2.5 GHz
EFT/Bursts	EN 61000-4-4:2004	±2kV L/N/E/LNE
Surge Immunity	EN 61000-4-5:2006	±0.5/1kV L-N, ±0.5/1/2kV L-E/N-E
Conducted RF Immunity	EN 61000-4-6:2007	3V, 80% 1kHz AM, 0.15MHz - 80MHz
Magnetic Field Immunity	EN 61000-4-8:1993	3A/m, 50Hz-80Hz
Dips & Interruptions	EN 61000-4-11:2004	-95%/-60%/-30%

7.7 Seat height tables

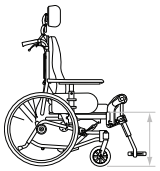
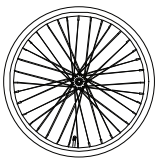
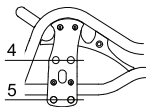
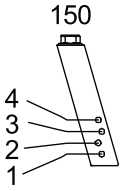
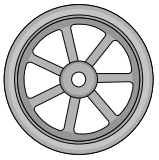
7.7.1 Rea® Azalea & Rea®Azalea Assist

						
45	24”	2		1		200
45	24”	2			2	150
45	24”	2			2	140
40	22”	1		3		150
40	22”	1		3		140
40	16”		4	3		150
40	16”		4	3		140
45	16”	3		1		200
45	16”	3			2	150
45	16”	3			2	140

7.7.2 Rea® Azalea max

					
45	24”	2	1		200
40	22”	1	3		140
45	16”	3	1		200

7.7.3 Rea® Azalea equipped with Tall-kit

				
50	24”	4	2	200
50	16”	5	3	200

Notes

Notes

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